

### Schedule"B"

Name of Work :- A & A to E.I. and Lift for extention of mamlatdar office,mahemdavad,Dist.Kheda.

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
1	116.00	Pts.	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder with adaptor/ceiling rose / H.D.Connector as directed.(j) in existing pipe erected concealed in wall/ceiling complete.Cat.III	410.06	Rupees Four Hundred Ten And Paise Six Only	Pt.	47566.96
2	48.00	Pts.	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.(j) in existing pipe erected concealed in wall/ceiling complete.Cat.III	556.51	Rupees Five Hundred Fifty Six And Paise Fifty One Only	Pt.	26712.48

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
3	4.00	Pts.	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board.(j) in existing pipe erected concealed in wall/ceiling complete.Cat.III	425.21	Rupees Four Hundred Twenty Five And Paise Twenty One Only	Pt.	1700.84
4	2.00	Pts.	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.(j) in existing pipe erected concealed in wall/ceiling complete.[II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board.Cat.III	567.62	Rupees Five Hundred Sixty Seven And Paise Sixty Two Only	Pt.	1135.24
5	33.00	Pts.	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessories.Cat.III	257.55	Rupees Two Hundred Fifty Seven And Paise Fifty Five Only	Pt.	8499.15
6	58.00	Nos.	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.(7) Blank Plate Single cat-III	25.25	Rupees Twenty Five And Paise Twenty Five Only	Ea.	1464.50

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
7	26.00	Nos.	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.(8) Computer RJ-45 socket.Cat.III	160.59	Rupees One Hundred Sixty And Paise Fifty Nine Only	Ea.	4175.34
8	4.00	Nos.	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.(10) 6/16Amp. Universal socket cat-III	199.98	Rupees One Hundred Ninety Nine And Paise Ninety Eight Only	Ea.	799.92
9	4.00	Nos.	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.(14) 6A/ 10A/ 16A/ 20A/ 25A/ 32A Double Pole Modular MCB Switch.Cat.III	410.06	Rupees Four Hundred Ten And Paise Six Only	Ea.	1640.24
10	2350.00	Mtrs.	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (a)20 mm	24.24	Rupees Twenty Four And Paise Twenty Four Only	Mtr.	56964.00
11	180.00	Mtrs.	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed(b) 25 mm	33.33	Rupees Thirty Three And Paise Thirty Three Only	Mtr.	5999.40
12	50.00	Mtrs.	Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes.(2) 25 mm.	21.21	Rupees Twenty One And Paise Twenty One Only	Mtr.	1060.50
13	1130.00	Mtrs.	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size.(E) in existing pipe.(b) 2 wire 2.5 sq. mm	62.62	Rupees Sixty Two And Paise Sixty Two Only	Mtr.	70760.60

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
14	100.00	Mtrs.	providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size.(E) in existing pipe.(h) 4 wire 6 sq. mm	240.38	Rupees Two Hundred Forty And Paise Thirty Eight Only	Mtr.	24038.00
15	10.00	Mtrs.	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required.(h) One wire 25.00 sq. mm.	236.34	Rupees Two Hundred Thirty Six And Paise Thirty Four Only	Mtr.	2363.40
16	60.00	Mtrs.	Supplying and erecting Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed.(c) 1.00 Sq.mm 2 core round/ flat PVC sheathed	22.22	Rupees Twenty Two And Paise Twenty Two Only	Mtr.	1333.20
17	32.00	Mtrs.	Replacing and erecting Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed. e) 1.50 Sq.mm 3 core round PVC sheathed.(12 Metre replacing ,20 Mtr New)	46.46	Rupees Forty Six And Paise Forty Six Only	Mtr.	1486.72
18	560.00	Mtrs.	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction.[C] CAT - 6	47.47	Rupees Forty Seven And Paise Forty Seven Only	Mtr.	26583.20
19	2000.00	Sq.Inches.	Providing & Erecting 3mm thick acrylic Sheet with grooving as directed	3.03	Rupees Three And Paise Three Only	Sq. Inch.	6060.00
20	26.00	Nos	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed.1 no. 6A/16A universal plug-switch combined.3 nos. 6A Switch.3 nos. 6A 5 pin Plug.For Modular Type Accessories.Cat.III	1133.22	Rupees One Thousand One Hundred Thirty Three And Paise Twenty Two Only	Ea.	29463.72
21	8.00	Nos	Decorative call bell Ting-tong box type 250 volts complete erected	71.71	Rupees Seventy One And Paise Seventy One Only	Ea.	573.68

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
22	1.00	Nos	Supplying & erecting Electronic Type Cordless Call Bell erected on PVC/Metal board having portable bell push working on D.C. & bell on 230V A.C. supply with cells / battery	250.48	Rupees Two Hundred Fifty And Paise Forty Eight Only	Ea.	250.48
23	4.00	Nos	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%,CCT 3000 K to 6500K,Luminaire efficacy> 85 lumens/watt,LED driver efficiency > 85 %,(fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Tube Light with integral driver.(ii) 12-14 Watts, Surge-2 KV, IP-20, conventional 4 feet.Cat.III	238.36	Rupees Two Hundred Thirty Eight And Paise Thirty Six Only	Ea.	953.44
24	34.00	Nos	Replacing and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%,CCT 3000 K to 6500K,Luminaire efficacy> 85 lumens/watt,LED driver efficiency > 85 %,(fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Tube Light with integral driver.(iv) 22-24 Watts, Surge - 2KV,IP-20, conventional 4 feet.Cat.III.(24 Replacing,10 New)	373.70	Rupees Three Hundred Seventy Three And Paise Seventy Only	Ea.	12705.80

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
25	26.00	Nos	Replacing and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V,Power Factor more than 0.95, THD < 15 %,CCT 3000 K to 6500K,Luminaire efficacy> 85 lumens/watt ,LED driver efficiency > 85 %,( fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete.IP20.(iii) 16-20 watts, Surge-2 KV.Cat.III.(2 Replacing, 24 New)	589.84	Rupees Five Hundred Eighty Nine And Paise Eighty Four Only	Ea.	15335.84
26	72.00	Nos	Replacing and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V,Power Factor more than 0.95, THD < 15 %,CCT 3000 K to 6500K,Luminaire efficacy> 85 lumens/watt ,LED driver efficiency > 85 %,( fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete.IP20.(iv) 22-24 watts, Surge-2 KV.Cat.III.(10 Replacing, 62 New)	758.51	Rupees Seven Hundred Fifty Eight And Paise Fifty One Only	Ea.	54612.72

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
27	6.00	Nos	Replacing and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K,Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.( fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection.(i) 48 watts.Cat.III.( All replacing)	3345.12	Rupees Three Thousand Three Hundred Forty Five And Paise Twelve Only	Ea.	20070.72
28	6.00	Nos	(B) Flood Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection.(iv) above 110 to 120 watts.Cat.III.(New)	7266.95	Rupees Seven Thousand Two Hundred Sixty Six And Paise Ninety Five Only	Ea.	43601.70
29	1.00	Nos	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating 125A. with Fixed thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected with encloser 16 G.M.S. housing.ICS=100% of ICU only.Cat III	8861.34	Rupees Eight Thousand Eight Hundred Sixty One And Paise Thirty Four Only	Ea.	8861.34
30	1.00	Nos	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating 125A. with Fixed thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing.ICS=100% of ICU only.Cat III	8055.76	Rupees Eight Thousand Fifty Five And Paise Seventy Six Only	Ea.	8055.76

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
31	18.00	Nos.	providing and erecting Miniature circuit breaker single pole 0.5A to 2A system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark.Cat.III	270.68	Rupees Two Hundred Seventy And Paise Sixty Eight Only	Ea.	4872.24
32	42.00	Nos.	Providing and Erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark cat-III	112.11	Rupees One Hundred Twelve And Paise Eleven Only	Ea.	4708.62
33	2.00	Nos.	Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity.(A) 32 Amp.Cat.III	299.97	Rupees Two Hundred Ninety Nine And Paise Ninety Seven Only	Ea.	599.94
34	1.00	Nos	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity.(A) 32 Amp.Cat.III	595.90	Rupees Five Hundred Ninety Five And Paise Ninety Only	Ea.	595.90
35	9.00	Nos	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity.(C) 63 Amp.Cat.III	737.30	Rupees Seven Hundred Thirty Seven And Paise Thirty Only	Ea.	6635.70
36	1.00	Nos	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for.(A) single phase incoming and horizontal single phase outgoing(b) sheet steel double door (IP-43)(v)16 way.(Concealed)	2016.77	Rupees Two Thousand Sixteen And Paise Seventy Seven Only	Ea.	2016.77
37	2.00	Nos	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for.(B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI).(b) sheet steel double door.(i) 4 way.(Concealed)	2806.99	Rupees Two Thousand Eight Hundred Six And Paise Ninety Nine Only	Ea.	5613.98

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
38	1.00	Nos	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for.(B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI).(b) sheet steel double door.(ii) 6 way.(Concealed)	3496.62	Rupees Three Thousand Four Hundred Ninety Six And Paise Sixty Two Only	Ea.	3496.62
39	1.00	Nos	Providing and erecting Sheet Steel powder coated Vertical MCB distribution board (VTPN) - flush / surface mounted double door (IP54) fitted with insulated copper busbar, isolated neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986,IP-54 suitable for 63/100 AMP TPN MCCB + RCCB as incomer and three phase outgoing as per following .(The DBs should be used of same company of MCB to be used) (B)6 way outgoing	12181.61	Rupees Twelve Thousand One Hundred Eighty One And Paise Sixty One Only	Ea.	12181.61
40	9.00	Nos	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed.(ii) 40 Amps. DP.Cat.III.	2235.13	Rupees Two Thousand Two Hundred Thirty Five And Paise Thirteen Only	Ea.	20116.17
41	1.00	Nos	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed.(i) 25 Amps. DP.Cat.III.	1969.50	Rupees One Thousand Nine Hundred Sixty Nine And Paise Fifty Only	Ea.	1969.50

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
42	1.00	Nos	Providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on 3 phase and neutral 415V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed.(ii) 40Amps. FP.Cat.III	2637.11	Rupees Two Thousand Six Hundred Thirty Seven And Paise Eleven Only	Ea.	2637.11
43	5.00	Kgs	Providing and erecting Annealed bare Copper wire 8 SWG.	794.87	Rupees Seven Hundred Ninety Four And Paise Eighty Seven Only	Kg.	3974.35
44	3.00	Nos	Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover. (A)(approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistane mentioned in test Certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphar content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency. (a) For Electrical Installation up to 440V in normal soil,Length of pipe - 1 Mtr,Back filling compound - 1 Nos Bag of 15 Kg..	4591.46	Rupees Four Thousand Five Hundred Ninety One And Paise Forty Six Only	Ea.	13774.38
45	30.00	Mtrs	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables.(B) 3 1/2 core 35 Sq. mm ( 16 Sq. mm 1/2 core)	220.18	Rupees Two Hundred Twenty And Paise Eighteen Only	Mtr.	6605.40

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
46	200.00	Mtrs	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (b) 4 core 6 Sq. mm	126.25	Rupees One Hundred Twenty Six And Paise Twenty Five Only	Mtr.	25250.00
47	40.00	Mtrs	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables.(A) 4 core 10 Sq. mm	676.70	Rupees Six Hundred Seventy Six And Paise Seventy Only	Mtr.	27068.00
48	100.00	Mtrs	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	55.55	Rupees Fifty Five And Paise Fifty Five Only	Mtr.	5555.00
49	100.00	Mtrs	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II )with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable.(A)50 mm outer dia.	62.62	Rupees Sixty Two And Paise Sixty Two Only	Mtr.	6262.00
50	2.00	Nos	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.(C) 2 to 4 core 10 Sq. mm	38.38	Rupees Thirty Eight And Paise Thirty Eight Only	Ea.	76.76
51	12.00	Nos	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.(B) 2 to 4 core 6 Sq. mm.	38.38	Rupees Thirty Eight And Paise Thirty Eight Only	Ea.	460.56
52	2.00	Nos	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.(B) 3 & 1/2 core 35/50 Sq. mm.	75.75	Rupees Seventy Five And Paise Seventy Five Only	Ea.	151.50
53	64.00	Nos	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/ 2.5/4/6 Sq.mm	6.06	Rupees Six And Paise Six Only	Ea.	387.84

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54	2.00	Nos	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner.(C) 16/25 Sq.mm.	15.15	Rupees Fifteen And Paise Fifteen Only	Ea.	30.30
55	6.00	Nos	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner(D) 35/50 Sq.mm.	20.20	Rupees Twenty And Paise Twenty Only	Ea.	121.20
56	8.00	Nos	Solder less crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner.(B) 10 Sq.mm.	10.10	Rupees Ten And Paise Ten Only	Ea.	80.80
57	61.00	Nos.	Replacing & erecting Approved make Power Saving 50 Watt Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C. 50 Hz 1200 mm sweep complete having 3blades with aluminium blades with , canopy & 30 cm. down rod erected with earthing.(13 Replacing, 48 New)	1948.29	Rupees One Thousand Nine Hundred Forty Eight And Paise Twenty Nine Only	Ea.	118845.69
58	61.00	Mtrs.	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	108.07	Rupees One Hundred Eight And Paise Seven Only	Mtr.	6592.27
59	48.00	Nos	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	108.07	Rupees One Hundred Eight And Paise Seven Only	Ea.	5187.36
60	48.00	Nos	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	18.18	Rupees Eighteen And Paise Eighteen Only	Ea.	872.64
61	8.00	Nos	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame.250mm with 1350 RPM Cat.II	1366.53	Rupees One Thousand Three Hundred Sixty Six And Paise Fifty Three Only	Ea.	10932.24

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
62	12.00	Nos	Supplying & erecting approved make SMC press moulded composite FRP. loop-in, loop-out approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box.(A) 300mm x 200mm x 100mm [deep].	898.90	Rupees Eight Hundred Ninety Eight And Paise Ninety Only	Ea.	10786.80
63	1.00	Nos	Supplying & erecting approved make Digital time switch having lithium cell 6 years operative and operate battery backup 1 channel day clock with 14 memory programme, suitable to operate on 240V + 5%, 16A with, floating contacts Minimum switching setup time 1 minimum & LCD display. Also comprised permanent ON/OFF switching. Programming switches & housed in fire proof thermoplastic enclosure & transparent cover erected as required with necessary connection erected as directed.	3168.37	Rupees Three Thousand One Hundred Sixty Eight And Paise Thirty Seven Only	Ea.	3168.37
64	1.00	Nos	Supplying & erecting power contactor ,AC3 duty for time switch complete erected as per direction. [D] 4 pole 440V 40 Amp. Cat III	2782.55	Rupees Two Thousand Seven Hundred Eighty Two And Paise Fifty Five Only	Ea.	2782.55
65	4.00	Nos	Replacing old AC by new providing and erecting Inverter based approved make split air-conditioning unit consisting of condensing unit with variable speed fan motor, inverter type hermetically sealed rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by means of extra supplied proper insulated copper tubing,drain PVC pipes suitable for ( cost includes Eco Friendly green gas charging and 15A plug top & Remote Control & MS Stand) with necessary core cutting.(2)For ISEER Range (KWH/KWH)(4.0 to 4.49).(C) for 1.7 to 2 ton capacity-Premium Cat.(All replacing)	72381.65	Rupees Seventy Two Thousand Three Hundred Eighty One And Paise Sixty Five Only	Ea.	289526.60
66	20.00	Rmtr.	Replacing and erecting insulated pair of soft copper tubing open or concealed including power and control cable,necessary PVC drain pipes for Split AC machine up to 4 TR capacity. (8 Replacing and 12 New)	965.56	Rupees Nine Hundred Sixty Five And Paise Fifty Six Only	Rmtr.	19311.20

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
67	3.00	Nos	Providing & erecting water cooler having storage capacity 150 Ltr. & cooling capacity 150 Ltr.per hour @ an ambient temp of 45° C. The outlet temp. of the water should drop by 15°C within a hour, The water cooler should be comprising of hermetically sealed compressor, fan motor, condensing unit, water tank surrounded by evaporating, coil, thermostats, relay etc.complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel.	55893.40	Rupees Fifty Five Thousand Eight Hundred Ninety Three And Paise Forty Only	Ea.	167680.20
68	3.00	Nos	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 psi inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed.[C] 50 Ltr / Hr with 150 psi 2 nos booster pump	29187.99	Rupees Twenty Nine Thousand One Hundred Eighty Seven And Paise Ninety Nine Only	Ea.	87563.97
69	4.00	Nos	Supply and Erecting of Static Stabilizer suitable for following capacity of A.C Machine the Stabilizer Must have Minimum Technical Specification are Input working Single Phase Voltage Range Up to 150V-280V.50Hz, Output Voltage Range Up to 200V-240V,50Hz,Autoreset Facility,LED Display for Indicating Voltage,Spike/Surge Protection,Time Delay Facility,Proper Wall Mount Facility with Required Accessries & on site 3 year Replacement/Repairing Warranty.(2) For 2 Ton Thermal Overload Protection 15 Amp.	4029.90	Rupees Four Thousand Twenty Nine And Paise Ninety Only	Ea.	16119.60

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
70	1.00	Nos	Replacing old & U/S Lift by new Supplying, Erecting, Testing & Commissioning the passenger / stretcher lift having following main features:[1] GEAR LESS LIFT DRIVE (MRL) comprising of High Starting torque Lift 3 phase 440 V A. C. Permanent Magnet Synchronous motor of proper rating with high efficiency shall be used.[2] Micro processor based / PLC, ACVVVF, vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/DOWN hall stops, Main, Up/ Down Contactor with overload and phase reversal relay and safety controls.[3] Car with M S platform with bracings of adequate size and to sustain the impact load cabin + passenger with safety factor of fire for steel and side panels of Stainless steel of sheet of grade 304 duty. Car ceiling will be S.S. finishes with aesthetic appearance with LED ceiling lights. Car flooring shall be of s/s 304 chaker plate design sugested of engineer in charge. of engineer in charge. Car doors shall be of stainless steel grade 304, hairline finish with centre opening / telescopic automatic doors. Car panel will also be S.S. 304 finished with emergency stop device, mechanical door safety device, facility of auto/ attended mode. All car panel buttons and all floor switches must be with brail language as per lift act.[4] All landing doors must be fire rated for 2 hour shall be fully automatic centre opening/ telescopic opening made of hairline finish steel grade of 304 with key holes and infrared curtains with Unlocking facility from outside	1588226.01	Rupees Fifteen Lakh(s) Eighty Eight Thousand Two Hundred Twenty Six And Paise One Only	Ea.	1588226.01

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
			<p>[5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided. Also, Emergency Light &amp; Fan should start immediately without any Time Delay as soon as power fails.[6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors.[7] Full height infra red curtain with multiple cross / crossing light beams shall be provided.[8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity with Manual Rescue Operation ( Manual Cranking Facility). [9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.[10] Spring buffers/PU Buffers shall be provided.[11] Car fan as per passenger capacity with automatic sleep timer shall be provided.[12] Voice annunciator with suitable music shall be provided in lift car.[13] Self diagnostics system for operational and safety parameters shall be provided in control panel.[14] Mechanical over speed governor with governor calibration as per actual site parameters and submission of calibration certificate submission, door key holes in the floor doors, fireman switch shall be provided.[15] Lift machine hoisting arrangement in the lift machine room and monkey ladder for lift pit should be provided by the lift agency, along with the other steel structure works, foundations for the machine etc.[16] In the hoist way fascia plate shall be provided without any extra cost, where ever required as / if directed by engineer in charge.</p>		Rupees Nil		

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
			<p>[17] Permanent wiring with necessary safety devices like RCCB in all circuit, Over Voltage Under Voltage protection and THD eliminator in circuit for lift machine room and lift well with proper numbers of light points, with fixtures, exhaust fan and plug points shall be provided by the agency. Only 3 phase Power Supply shall be made available by department in lift machine room. Necessary Earthing as per Lift Act/Rules shall be arranged by Lift Agency.[18] Any civil/ electrical works for additional and alteration in lift shaft and machine room related to erection of lift shall be made by lift agency without any extra cost. (granite/marble fixing around all landing door openings are not in lift agency's scope.)[19] Agency has to provide all working drawings and documents and liaison services for obtaining all necessary permission from lift inspector and other authorities.[20] acrylic transparent licence/display A4 size holder in lift car.[20A] As per statutory requirement of Govt. Of Gujarat lift &amp; escalator act 2000, lift agency has to provide.1. Car top safety barricade.2. Push &amp; talk communication system.3. Fireman's switch operation at Ground Floor. 4.carrying out third party lift inspection during/after lift erection and provide report by third party authorized by concern licensing authority .5.agency has to provide third party insurance upto completion of free maintenance period and submit the document for the same.[21] Car Panel Operating Buttons with floor position indicator/buttons must be of Auto Glow type clearly visible when view from inside cabin.</p>		Rupees Nil		

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
			22] For Physically Handicapped person Full Length Handrails of hairline finish steel grade of 304 should be provided at appropriate height on the Rear & Side Wall Panels in Lift Car. [23] With Necessary KVA rating voltage controlled Stabilizer suitable for your controller, drive and all equipments of lift.[24] Necessary rating of DP Elcb and FP Elcb required for lift is in scope of work which rating is suggested by CEICED Department (electrical Inspector).20 passengers .1. Advanced control system dual 64 bit embedded microprocessor with CANBUS Serial Communication mode including Regenerative power efficient operation,on site programming facility, Anti nuisance, Pte-opening, BMS/RMS with necessary online real time monitoring system having necessary connectivity for remote monitoring & other suitable supporting hardware & software devices to fulfil the purpose.2. Floor Indication LCD Display with call registration & brail mark with arrival gong and hall lantern & TFT Screen in the car with MP3 Voice Announcer.3. CAR Panel should be Scratch resistive SS Moonrock finish / Hair Line / Honeycomb for car and all Doors, All landing doors must have fire rating up to 2 hours and car door must have multi-level crisscross beam door protection.4. To & fro communication system & wiring (i.e. car , control room & guard room ) and Each elevator are equipped with remote monitoring system.agency has to provide mobile app and user id and password for monitoring.		Rupees Nil		
			(AD) 13 Passengers, Ground plus 1 upper floor with Rated Speed of 1.0 m/sec., (C) With General PLUS ADDITIONAL SPECIAL FEATURES attached herewith. Prem. Cat.		Rupees Nil		
71	1.00	Nos.	Providing & erecting, programming, testing of Ahuja make Model No. CMC-5100 or equivalent make and model chairman unit with gooseneck condenser microphone with flexible stem of 470 mm in length and light indicator on mike for visual indication,One headphone output,attractive design with die cast aluminium base for stability ,priority button for chairman microphone,built in volume control for head phones,chime tone facility to precede chairman priority calls,microphone on/off button,red indicates for microphone is active,microphone with -63dBV/mbar,(7.5mV/Pa).	8670.85	Rupees Eight Thousand Six Hundred Seventy And Paise Eighty Five Only	Ea.	8670.85

Item No.	Qty.	Unit	Item of work	Net Rate in figure	Net Rate in words.	Per	Amount
72	10.00	Nos.	SITC of Ahuja make Model No. CMC-5200 or equivalent make and model delegate unit with gooseneck condenser microphone with flexible stem of 470 mm in length and light indicator on mike for visual indication,One headphone output,attractive design with die cast aluminium base for stability ,built in volume control for head phones,microphone on/off button,red indicates for microphone is active,microphone with -63dBV/mbar,(7.5mV/Pa).	8058.79	Rupees Eight Thousand Fifty Eight And Paise Seventy Nine Only	Ea.	80587.90
73	1.00	Nos.	SITC of Ahuja make Model No. CMA-5400 or equivalent make and model central mixture amplifier with power handling capacity of 50 watt (RMS) at 2% THD,90W Max,three micro phone inputs and 1 Auxiliary,frequency response 60 Hz to 14000 Hz (+/-3 dB),S/N Ratio > 60 db, USB Volume control, Bass and treble control,master volume control, MP3 Digital recorder, Headphone stereo jack socket,LED Level indicator,with speaker terminal block (4,8,16 Ohm).	22952.25	Rupees Twenty Two Thousand Nine Hundred Fifty Two And Paise Twenty Five Only	Ea.	22952.25
74	8.00	Nos.	SITC of Ahuja make Model No.PS-300TM or equivalent make and model wall mounted speaker with power handling capacity of 10 watt (RMS)/15w Max.,100V,Power Tap on 6/3/10.5w,low impedance 8Ohm,Frequency response 150-20000 Hz,SPL 86dB,Woofer 75mm(3"),tweeter 31mm(1.22"),with necessary clamp.	1642.36	Rupees One Thousand Six Hundred Forty Two And Paise Thirty Six Only	Ea.	13138.88
<b>Amount Put to tender Rs.</b>							<b>3093016.52</b>

**Rupees Thirty Lakh(s) Ninety Three Thousand Sixteen And Paise Fifty Two Only**

Signature of contractor

Executive Engineer  
Ahmedabad R & B Electrical Division No.2  
Ahmedabad

### Proposed Make List

<b>Name of Work:</b>	<b>A &amp; A to E.I. and Lift for extention of mamlatdar office,mahemdavad,Dist.Kheda.</b>
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<b>Sr No</b>	<b>Item</b>	<b>Proposed Make</b>
1	Switches and Accessories	Havells, L & K, Elleys HI FI, Schneider,Legrand
2	PVC Pipes, PVC Corrugated Flexible Conduit	Vraj, Nihir, BLP, Precision
3	Mains & Cables	RR Kable, Finolex,KEI,Havells,Polycab
4	Switchgear and its Accessories	L&K, Havells,ABB, Legrand, C & S ,Schneider
5	Light Fittings	Philips,Jaquar, Havells, Crompton, Wipro
6	Ceiling Fan,Bracket fan,Exhaust fan	Orient,Usha,Crompton,Havells
7	SMC Box	Sintex,National,EPP
8	Split A.C.Machine	Mitsubishi Electric only, O general
9	Stabilizer	V guard,microtek, luminous
10	Water cooler	Bluestar,Usha, Voltas
11	Sound System	Ahuja,bosch,shure
12	Lift	schindler, OTIS, Orbis,Techno,Trio,Omega

**Note:**                **1) All Make should match description of respective item shown in Schedule-B.**

**2) Rest of item except above should be as per tender Specification.**

**3) Sample should be approved before execution of any item.**

**4) Any Other Make mentioned than above must be approved by Concern Executive Engineer/Concern department Higher Authority before Execution of Work.**

**Sign of Contractor**

**Deputy Executive Engineer**  
**Nadiad R & B Electrical Sub Division**  
**Nadiad**

**Executive Engineer**  
**Ahmedabad R & B Electrical Division No.2**  
**Ahmedabad**

Name of work :- S.R.to E.I. OF Principal civil Judge quarter,Mehemdavad,Dist.Kheda.

**List of Dismantal Material**

Sr.NO.	Item Description	Qty.	Unit	D.M.Rate	DM Amount
1	Cost of old & u/s 3 core 1.5 sq.mm. cable	12	Rs./Mtr.	4.84	58.08
2	Cost of old & u/s Tube light 22w	24	Rs./Nos.	17.20	412.80
3	Cost of old & u/s downlight 20w	2	Rs./Nos.	27.50	55.00
4	Cost of old & u/s downlight 24w	10	Rs./Nos.	35.85	358.50
5	Cost of old & u/s street light	6	Rs./Nos.	159.20	955.20
6	Cost of old & u/s ceiling Fan	13	Rs./Nos.	187.80	2441.40
7	Cost of old & u/s Split AC Machine	4	Rs./Nos.	3498.80	13995.20
8	Cost of old & u/s Copper tubing	8	Rs./Mtr.	102.48	819.84
9	Cost of old & u/s Lift	1	Rs./Nos.	128044.68	128044.68
				<b>Total Rs.</b>	<b>147140.70</b>

Estimated Rs. 147140.7

Add \_\_\_\_\_ % Above Rs. \_\_\_\_\_

Net Rs. \_\_\_\_\_

In Words \_\_\_\_\_

**Note:**

1. Labour cess will be deduct from the bill.

2. Dismantal amount Rs. \_\_\_\_\_ as per sanction estimate will be deduct from the bill.

Signature  
of  
Contractor

Deputy Executive Engineer  
Nadiad R & B Electrical Sub Division  
Nadiad

Executive Engineer  
Ahmedabad R & B Electrical Division No.2  
Ahmedabad